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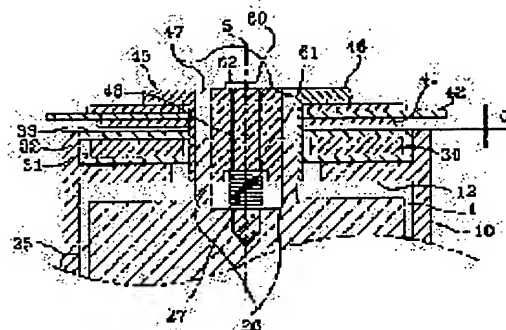
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(54) MOTOR WITH VARIABLE GAP SPACE

(57)Abstract:

PROBLEM TO BE SOLVED: To adjust a space between a motor rotor and a motor stator by joining a rotary body and the motor rotor to the motor stator arranged so as to have a space from the motor rotor in the part magnetically interacting with the motor rotor.

SOLUTION: The guide member 26 of a drum rotatory part 25 is rotatably fitted into the guide groove 47 of a bush 46, and when a space between the bush 46 and the guide member 26 is varied, the guide member 26 moves in the parallel direction with a shaft 5 inside the guide groove 47. The head 62 of a joining and adjusting member 60 rotates the joining and adjusting member 60 through external operation in order to adjust a gap space G between the upper surface of a PC board 33 mounted on a motor stator 30 and the magnet 41 of a motor rotor 45. When the joining and adjusting member 60 is relieved by the operation of the head 62, the bush 46 relatively goes away from the drum rotatory part 25 by the restoring force of an elastic member 61 and the gap space G is increased, and to the contrary, when the joining and adjusting member 60 is fastened, the gap space G is decreased.



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